IV Combined Ocean Outfall Data

Data Summaries

This section presents the results of analyses of the combined or mixed effluent stream being discharged to the South Bay Ocean Outfall from the South Bay Wastewater Reclamation and International Wastewater Treatment Plant for 2007.

SB_ITP_COMB_EFF designates a composite sample taken at a point downstream of the discharges of both plants where the wastewater stream is a mixture of both effluents (the secondary or tertiary effluent from SBWRP and the primary effluent from the IWTP).

Sampling and monitoring analyses occurred quarterly in February, May, August and October.

SOUTH BAY WATER RECLAMATION PLANT
QUARTERLY SEWAGE: COMBINED OUTFALL (SB_ITP_COMB_EFF)

From: 01-JAN-2007 To: 31-DEC-2007

Source: SB_ITP_COMB_EFF

Date:			13-FEB-2007	14-FEB-2007	08-MAY-2007	09-MAY-2007	08-AUG-2007
Sample ID:	MDL	Units	P370710	P370711	P380555	P380556	P392180
BOD (Biochemical Oxygen Demand)	2	MG/L	93.7		101.0		105.0
Total Suspended Solids	1.6	MG/L	37.0		41.7		42.0
Volatile Suspended Solids	1.6	MG/L	22.0		33.3		33.0
pH		PH	7.7	7.3	7.9	7.8	7.4
Settleable Solids	.1	ML/L		0.3		0.5	
Turbidity	.13	NTU	24.0		29.2		29.6
Total Kjeldahl Nitrogen	1.6	MG/L	8.2		37.2		44.1
Chlorine Residual, Total	.11	MG/L		ND		ND	
Ammonia-N	.3	MG/L	24		31		35
Total Alkalinity (bicarbonate)	20	MG/L	242.0		309.0		312.0
Calcium Hardness	.1	MG/L	199		215		221
Magnesium Hardness	.4	MG/L	129		156		182
Total Hardness	.4	MG/L	328		371		404
Aluminum	47	UG/L	248		190		427
Antimony	2.9	UG/L	ND		ND		ND
Arsenic	.4	UG/L	1.48		1.67		1.40
Barium	.039	UG/L	38.0		33.7		18.7
Beryllium	.022	UG/L	ND		ND		ND
Boron	1.7	UG/L	363.0		435.0		488.0
Cadmium	.53	UG/L	0.7		ND		ND
Chromium	1.2	UG/L	3.3		1.7		2.7
Cobalt	.85	UG/L	ND		0.9		ND
Copper	.63	UG/L	21.9		17.1		21.9
Iron	37	UG/L	1230		1240		2050
Lead	2	UG/L	ND		ND		ND
Manganese	.24	UG/L	139.0		83.50		132.00
Mercury	.09	UG/L	ND		ND		ND
Molybdenum	.89	UG/L	8.5		8.3		8.1
Nickel	.53	UG/L	23.7		25.8		20.4
Selenium	.28	UG/L	2.04		1.92		2.18
Silver	.4	UG/L	ND		ND		ND
Thallium	3.9	UG/L	ND		ND		ND
Vanadium	.64	UG/L	3.7		1.2		0.9
Zinc	.41	UG/L	43.6		29.9		24.3
Bromide	.1	MG/L	0.37		ND		0.43
Chloride	7	MG/L	259		332		372
Fluoride	.05	MG/L	0.59		0.70		0.74
Nitrate	.04	MG/L	5.00		ND		ND
Ortho Phosphate	.2	MG/L	4.51		6.30		3.17
Sulfate	9	MG/L	265		338		344
Calcium	.04	MG/L	80		86		89
Lithium	.002	MG/L	0.05		0.06		0.08
Magnesium	.1	MG/L	31		38		44
Potassium	.3	MG/L	19		21		25
Sodium	1	MG/L	221		268		317
Cyanides,Total	.002	MG/L	0.006		0.003		0.003
Sulfides-Total	.18	MG/L	ND		0.30		ND

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
QUARTERLY SEWAGE: COMBINED OUTFALL (SB_ITP_COMB_EFF)

From: 01-JAN-2007 To: 31-DEC-2007

Source: SB_ITP_COMB_EFF

Date:			07-SEP-2007	02-OCT-2007	03-OCT-2007
Sample ID: MDL	Units		P392181	P399382	P399383
BOD (Biochemical Oxygen Demand)	2	MG/L		119.0	
Total Suspended Solids	1.6	MG/L		43.0	
Volatile Suspended Solids	1.6	MG/L		35.0	
pH		PH	7.3	7.7	7.5
Settleable Solids	.1	ML/L	10.5		3.5
Turbidity	.13	NTU		22.0	
Total Kjeldahl Nitrogen	1.6	MG/L		44.4	
Chlorine Residual, Total	.11	MG/L	ND		ND
Ammonia-N	.3	MG/L		36	
Total Alkalinity (bicarbonate)	20	MG/L		309.0	
Calcium Hardness	.1	MG/L		212	
Magnesium Hardness	.4	MG/L		170	
Total Hardness	.4	MG/L		382	
Aluminum	47	UG/L		208	
Antimony	2.9	UG/L		ND	
Arsenic	.4	UG/L		1.78	
Barium	.039	UG/L		21.0	
Beryllium	.022	UG/L		ND	
Boron	1.7	UG/L		448.0	
Cadmium	.53	UG/L		ND	
Chromium	1.2	UG/L		2.7	
Cobalt	.85	UG/L		ND	
Copper	.63	UG/L		15.4	
Iron	37	UG/L		2030.0	
Lead	2	UG/L		ND	
Manganese	.24	UG/L		112.00	
Mercury	.09	UG/L		ND	
Molybdenum	.89	UG/L		8.5	
Nickel	.53	UG/L		41.2	
Selenium	.28	UG/L		2.55	
Silver	.4	UG/L		ND	
Thallium	3.9	UG/L		ND	
Vanadium	.64	UG/L		ND	
Zinc	.41	UG/L		33.0	
Bromide	.1	MG/L		0.50	
Chloride	7	MG/L		366	
Fluoride	.05	MG/L		0.52	
Nitrate	.04	MG/L		0.12	
Ortho Phosphate	.2	MG/L		5.13	
Sulfate	9	MG/L		371	
Calcium	.04	MG/L		85	
Lithium	.002	MG/L		0.08	
Magnesium	.1	MG/L		41	
Potassium	.3	MG/L		23	
Sodium	1	MG/L		306	
Cyanides,Total	.002	MG/L		0.005	
Sulfides-Total	.18	MG/L		ND	

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE: COMBINED OUTFALL (SB_ITP_COMB_EFF)
Temperature

From 01-JAN-2007 to 31-DEC-2007

	Temperature GRAB (C)
14-FEB-2007	20.1
09-MAY-2007	23.5
07-SEP-2007	28.0
03-OCT-2007	26.7
Average:	24.6
Maximum:	28.0
Minimum:	20.1

NA= Not Analyzed
NS= Not Sampled
ND= Not Detected

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE: COMBINED EFFLUENT (SB_ITP_COMB_EFF)
Ammonia-Nitrogen and Total Cyanides

From: 01-JAN-2007 To: 31-DEC-2007

	Ammonia-N	Cyanides,Total
MDL/Units	0.3 MG/L	.002 MG/L
Source:	COMB EFF	COMB EFF
FEBRUARY -2007	23.6	0.0057
MAY -2007	30.6	0.0032
AUGUST -2007	35.1	0.0030
OCTOBER -2007	35.5	0.0046
Average:	31.2	0.0041

ND= not detected
NA= not analyzed
NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE: COMBINED OUTFALL (SB_ITP_COMB_EFF)
Radioactivity

From: 01-JAN-2007 To: 31-DEC-2007

Source	Month	Gross Alpha Radiation
SB_ITP_COMB_EFF	FEBRUARY -2007	3.7±1.6
SB_ITP_COMB_EFF	MAY -2007	2.7±1.4
SB_ITP_COMB_EFF	AUGUST -2007	3.1±1.6
SB_ITP_COMB_EFF	OCTOBER -2007	1.9±1.2
AVERAGE		2.9±1.4

Source	Month	Gross Beta Radiation
SB_ITP_COMB_EFF	FEBRUARY -2007	18.4±3.4
SB_ITP_COMB_EFF	MAY -2007	22.5±5.0
SB_ITP_COMB_EFF	AUGUST -2007	24.0±5.3
SB_ITP_COMB_EFF	OCTOBER -2007	20.3±5.4
AVERAGE		21.3±4.8

ND= not detected
NA= not analyzed
NS= not sampled

Units in picocuries/liter (pCi/L)

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL: COMBINED EFFLUENT (SB_ITP_COMB_EFF)
Chlorinated Pesticide Analysis
From 01-JAN-2007 To 31-DEC-2007

Source: SB_ITP_COMB_EFF

Analyte	MDL	Units	FEB	MAY	AUG	OCT	2007 Avg
Aldrin	60	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	21	28	14	10	18
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	21	28	14	10	18
DDT and derivatives	100	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Heptachlors	20	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	21	28	14	10	18

ND=not detected; NS=not sampled; NA=not analyzed

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL: COMBINED EFFLUENT
Acid Extractables
From 01-JAN-2007 To 31-DEC-2007

Source: SB_ITP_COMB_EFF

Analyte	MDL	Units	FEB	MAY	AUG	OCT	2007 Avg
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	15.6	33.3	10.3	26.8	21.5
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
Total Chlorinated Phenols	5.87	UG/L	0.0	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	6.07	UG/L	15.6	33.3	10.3	26.8	21.5
Total Phenols	6.07	UG/L	15.6	33.3	10.3	26.8	21.5
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	46.0	10.4	ND	12.2	17.2
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL Priority Pollutants Base/Neutrals
COMBINED EFFLUENT
From 01-JAN-2007 To 31-DEC-2007

Source: SB_ITP_COMB_EFF

Analyte	MDL	Units	FEB	MAY	AUG	OCT	2007 Avg
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	12.2	ND	8.5	5.2
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	3.1	12.2	0.0	8.5	6.0
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE: COMBINED EFFLUENT
Tributyl Tin Analysis
From 01-JAN-2007 To 31-DEC-2007

Source: SB_ITP_COMB_EFF

Analyte	MDL	Units	FEB	MAY	AUG	OCT	2007 Avg
Dibutyl tin	7	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	16	UG/L	ND	ND	ND	ND	ND
Tributyl tin	2	UG/L	ND	ND	ND	ND	ND

ND=not detected
NS=not sampled
NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL: COMBINED EFFLUENT
Priority Pollutants Purgeables
From 01-JAN-2007 To 31-DEC-2007

Source: SB_ITP_COMB_EFF

Analyte	MDL	Units	FEB	MAY	SEP	OCT	2007 Avg
Dichlorodifluoromethane		UG/L	NR	ND	ND	ND	ND
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.1	2.4	1.9	1.5	1.7
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	11.6	2.8	3.2	5.1	5.7
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	1.6	ND	ND	ND	0.4
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	5.8	5.1	6.2	10.0	6.8
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	<1.0	ND	ND	ND	0.0
Dibromochloromethane	1	UG/L	2.2	ND	ND	ND	0.6
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	1.9	1.1	0.8
Bromoform	1	UG/L	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	4.2	3.2	4.2	3.9	3.9
1,2-dichlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	3.8	0.0	0.0	0.0	1.0
Purgeable Compounds	13.8	UG/L	26.5	13.5	17.4	21.6	19.8
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Carbon disulfide	1	UG/L	2.1	1.4	3.3	2.6	2.4
Acetone	20	UG/L	1090	469	462	878	725
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
2-butanone	4	UG/L	129.0	6.2	17.5	32.3	46.3
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	9.4	4.2	3.4
ortho-xylene	3.4	UG/L	ND	ND	6.8	<3.4	<1.7
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
QUARTERLY SEWAGE - COMBINED OUTFALL (SB_ITP_COMB_EFF)Organophosphorus Pesticides
EPA Method 614/622 (with additions)
From 01-JAN-2007 To 31-DEC-2007

			SB_ITP_COMB_SB_ITP_COMB_EFF	
			08-MAY-2007	02-OCT-2007
Analyte	MDL	Units	P380555	P399382
Demeton O	.15	UG/L	ND	ND
Demeton S	.08	UG/L	ND	ND
Diazinon	.03	UG/L	ND	ND
Guthion	.15	UG/L	ND	ND
Malathion	.03	UG/L	ND	ND
Parathion	.03	UG/L	ND	ND
Tetraethylpyrophosphate		UG/L	NA	NA
Dichlorvos	.05	UG/L	ND	0.5
Dibrom	.2	UG/L	ND	ND
Ethoprop	.04	UG/L	ND	ND
Phorate	.04	UG/L	ND	ND
Sulfotepp	.04	UG/L	ND	ND
Disulfoton	.02	UG/L	ND	0.2
Monocrotophos		UG/L	NA	NA
Dimethoate	.04	UG/L	ND	ND
Ronnel	.03	UG/L	ND	ND
Trichloronate	.04	UG/L	ND	ND
Merphos	.09	UG/L	ND	ND
Dichlofenthion	.03	UG/L	ND	ND
Tokuthion	.06	UG/L	ND	ND
Stirophos	.03	UG/L	ND	ND
Bolstar	.07	UG/L	ND	ND
Fensulfothion	.07	UG/L	ND	ND
EPN	.09	UG/L	ND	ND
Coumaphos	.15	UG/L	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND
Chlorpyrifos	.03	UG/L	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.0	0.0
Demeton -O, -S	.15	UG/L	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	0.0	0.7

ND=not detected; NS=not sampled; NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
Annual Sewage Dioxin and Furan Analysis
COMBINED OUTFALL
From 01-JAN-2007 To 31-DEC-2007

Analyte:	MDL	Units	Equiv	COMB EFF FEB P370710	COMB EFF MAY P380555	COMB EFF AUG P392180	COMB EFF OCT P399382
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND

Analyte:	MDL	Units	Equiv	COMB EFF TCCD FEB P370710	COMB EFF TCCD MAY P380555	COMB EFF TCCD AUG P392180	COMB EFF TCCD OCT P399382
2,3,7,8-tetra CDD	500	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	500	PG/L	0.010	ND	ND	ND	ND
octa CDD	1000	PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	250	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	500	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	500	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	500	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	500	PG/L	0.010	ND	ND	ND	ND
octa CDF	1000	PG/L	0.001	ND	ND	ND	ND

Above are permit required CDD/CDF isomers.
ND= not detected
NA= not analyzed
NS= not sampled

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